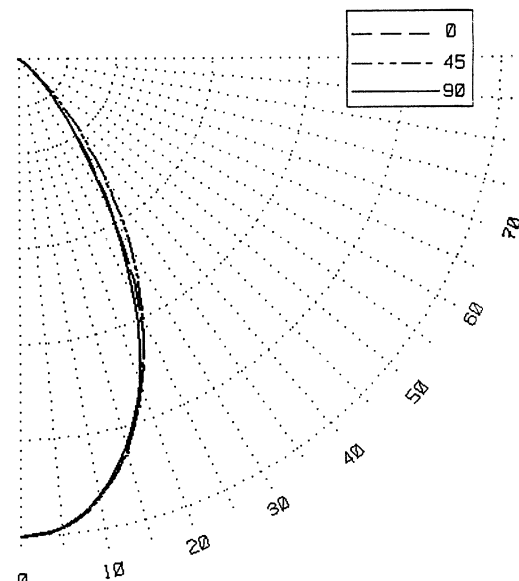


BALLABS CERTIFIED TEST REPORT NO.: 20361.0 DATE 05/03/18  
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO  
DESCRIPTION: GEN7 V18 LED 6" TALL HEATSINK 6" SQ CAST HOUSING DOWNLIGHT  
WHITE MIXING CHAMBER & 6" SEMI-SPEC ALUMINUM TRIM w/FROST  
FILM ADVANCE # XI036C070V054DSM1 @ 810mA  
CATALOG NBR: 6DS-L30/835-DIM-UNV-O-W-OF-CS  
LAMP TYPE : BXRE-35E4000

CANDLEPOWER DISTRIBUTION						
VERT	HORIZONTAL ANGLE					ZONAL
ANG	0	22.5	45	67.5	90	LUMENS
0	3339.	3339.	3339.	3339.	3339.	
5	3298.	3298.	3292.	3292.	3286.	314.4
10	3119.	3133.	3131.	3123.	3107.	
15	2844.	2848.	2850.	2837.	2816.	805.4
20	2458.	2459.	2443.	2454.	2421.	
25	1982.	1987.	2006.	1953.	1879.	911.5
30	1320.	1450.	1548.	1380.	1273.	
35	786.	915.	1038.	837.	748.	558.6
40	428.	530.	618.	489.	418.	
45	222.	266.	321.	241.	208.	201.9
50	91.	105.	147.	97.	88.	
55	23.	34.	39.	30.	23.	28.3
60	2.	3.	8.	2.	1.	
65	0.	0.	0.	0.	0.	.0
70	0.	0.	0.	0.	0.	
75	0.	0.	0.	0.	0.	.0
80	0.	0.	0.	0.	0.	
85	0.	0.	0.	0.	0.	.0
90	0.	0.	0.	0.	0.	



*[Handwritten signature]*

**NVLAP**<sup>®</sup>  
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY							
ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	2031.	NA.	72.0	90-120	0.	NA.	.0
0- 40	2590.	NA.	91.8	90-130	0.	NA.	.0
0- 60	2820.	NA.	100.0	90-150	0.	NA.	.0
0- 90	2820.	NA.	100.0	90-180	0.	NA.	.0
TOTAL LUMINAIRE = 0-180					2820.	NA.	100.0

IES SPACING CRITERIA: END= .9 DIAGONAL = .9 CROSS= .8

THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

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 LAMP TYPE : BXRE-35E4000

\*\*\*\*\*

LUMINANCES-CD/SQ-M  
 HORIZONTAL ANGLE

VERT ANGLE	0	45	90
45	13412.	19394.	12594.
55	1708.	2872.	1708.
65	0.	0.	0.
75	0.	0.	0.
85	0.	0.	0.

\*\*MAXIMUM BRIGHTNESSES NOT MEASURED\*\*

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ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING		.80				.70				.50				.30				.10				.00	
WALL	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00					
RCR																							
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00					
1	1.14	1.12	1.09	1.07	1.12	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95					
2	1.09	1.04	1.00	.97	1.07	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89					
3	1.04	.98	.93	.90	1.02	.97	.92	.89	.94	.90	.87	.92	.89	.86	.89	.87	.85	.83					
4	.99	.92	.86	.82	.97	.91	.86	.82	.88	.84	.81	.87	.83	.80	.85	.82	.79	.78					
5	.94	.86	.80	.76	.92	.85	.80	.76	.83	.79	.75	.82	.78	.75	.80	.77	.74	.73					
6	.90	.81	.76	.72	.88	.80	.75	.71	.79	.74	.71	.78	.73	.70	.76	.73	.70	.68					
7	.85	.76	.71	.67	.84	.76	.70	.67	.75	.70	.66	.73	.69	.66	.72	.68	.65	.64					
8	.81	.72	.66	.62	.80	.71	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.60					
9	.76	.67	.61	.57	.75	.66	.61	.57	.65	.60	.57	.64	.60	.57	.63	.59	.56	.55					
10	.72	.62	.57	.53	.71	.62	.56	.53	.61	.56	.52	.60	.56	.52	.59	.55	.52	.51					

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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\*\*\*\*\*

ELECTRICAL CHARACTERISTICS 120.13V .2637A 31.2940W

LUMINOUS EFFICACY (LUMENS / WATTS) = 90.1

TESTED IN ACCORDANCE WITH CURRENT IES STANDARDS  
UTILIZING ABSOLUTE PHOTOMETRY PER LM-79-08

